

| | Type | Hits | Search Text |
|----|------|------|---|
| 1 | BRS | 8632 | glucose near1 oxidase |
| 2 | BRS | 2690 | (glucose near1 oxidase) and (mutation or mutant or variant) |
| 3 | BRS | 2708 | (glucose near1 oxidase) and (mutation or mutant or variant or mutated) |
| 4 | BRS | 873 | ((glucose near1 oxidase) and (mutation or mutant or variant or mutated)) and peroxide |
| 5 | BRS | 416 | ((((glucose near1 oxidase) and (mutation or mutant or variant or mutated)) and peroxide) and resistant |
| 6 | BRS | 0 | ((glucose near1 oxidase) and (mutation or mutant or variant or mutated)) and (peroxide near8 resistant) |
| 7 | BRS | 306 | ((((glucose near1 oxidase) and (mutation or mutant or variant or mutated)) and peroxide) and resistant) and colonies |
| 8 | BRS | 28 | (glucose near1 oxidase) and (peroxide near6 (resistant or resistance)) |
| 9 | BRS | 1849 | (glucose near1 oxidase) and mutant |
| 10 | BRS | 3 | "5795774" |
| 11 | BRS | 4 | "6280587" |
| 12 | BRS | 9164 | glucose near1 oxidase |
| 13 | BRS | 553 | (glucose near1 oxidase) and (mutant or mutation) and (resistant or resistance) and (peroxide) |
| 14 | BRS | 1249 | peroxide near5 (resistance or resistant) |
| 15 | BRS | 16 | ((glucose near1 oxidase) and (mutant or mutation) and (resistant or resistance) and (peroxide)) and (peroxide near5 (resistance or resistant)) |
| 16 | BRS | 2528 | (glucose near1 oxidase) and (mutant or mutation) |
| 17 | BRS | 16 | ((glucose near1 oxidase) and (mutant or mutation)) and (peroxide near5 (resistance or resistant)) |
| 18 | IS&R | 7 | ((("5094951") or ("5879921") or ("5266688") or ("4568638")).PN. |

| | Type | Hits | Search Text |
|----|------|------|---|
| 19 | BRS | 18 | (glucose near1 oxidase) near10 (mutation or mutant) |
| 20 | BRS | 12 | ((glucose near1 oxidase) near10 (mutation or mutant)) and colony |
| 21 | BRS | 1114 | biosensor and (glucose near1 oxidase) |
| 22 | BRS | 234 | biosensor near10 (glucose near1 oxidase) |
| 23 | BRS | 116 | (biosensor near10 (glucose near1 oxidase)) and peroxide |
| 24 | BRS | 13 | ((biosensor near10 (glucose near1 oxidase)) and peroxide) and (mutation or mutant) |
| 25 | BRS | 9164 | glucose near1 oxidase |
| 26 | BRS | 2538 | peroxide near10 (resistance or resistant) |
| 27 | BRS | 42 | (glucose near1 oxidase) and (peroxide near10 (resistance or resistant)) |
| 28 | BRS | 9196 | glucose near1 oxidase |
| 29 | BRS | 2345 | (glucose near1 oxidase) and (mutant or mutagenesis) |
| 30 | BRS | 623 | ((glucose near1 oxidase) and (mutant or mutagenesis)) and peroxide |
| 31 | BRS | 526 | ((((glucose near1 oxidase) and (mutant or mutagenesis)) and peroxide) and (resistant or resistance) |
| 32 | BRS | 65 | (((((glucose near1 oxidase) and (mutant or mutagenesis)) and peroxide) and (resistant or resistance)) and "526" |
| 33 | BRS | 95 | (((((glucose near1 oxidase) and (mutant or mutagenesis)) and peroxide) and (resistant or resistance)) and "516" |
| 34 | BRS | 97 | (((((glucose near1 oxidase) and (mutant or mutagenesis)) and peroxide) and (resistant or resistance)) and "561" |
| 35 | BRS | 911 | peroxide near5 resistance |
| 36 | BRS | 10 | ((peroxide near5 resistance) and inactivation) and mutation |

| | Type | Hits | Search Text |
|----|------|--------|---|
| 37 | BRS | 20 | (peroxide near5 resistance) and inactivation |
| 38 | BRS | 859353 | leuco crystal violet |
| 39 | BRS | 472 | leuco near1 crystal near1violet |
| 40 | BRS | 455 | leuco near1 crystal near1 violet |
| 41 | BRS | 4 | (leuco near1 crystal near1 violet) and (glucose near1 oxidase) |
| 42 | BRS | 9196 | glucose near1 oxidase |
| 43 | BRS | 2754 | (glucose near1 oxidase) and fluorescence |
| 44 | BRS | 2489 | ((glucose near1 oxidase) and fluorescence) and activity |
| 45 | BRS | 1373 | ((((glucose near1 oxidase) and fluorescence) and activity) and colony |
| 46 | BRS | 3 | (((((glucose near1 oxidase) and fluorescence) and activity) and colony) and (colony near5 fluorescence) |
| 47 | BRS | 455 | leuco near1 crystal near1 violet |
| 48 | BRS | 1 | (leuco near1 crystal near1 violet) near10 colony |
| 49 | BRS | 13 | (leuco near1 crystal near1 violet) and colony |
| 50 | BRS | 12 | (leuco near1 crystal near1 violet) and activity and (enzyme or protein) |
| 51 | BRS | 57 | (leuco near1 crystal near1 violet) and activity |
| 52 | BRS | 2 | (leuco near1 crystal near1 violet) near10 activity |
| 53 | BRS | 51996 | PCR |
| 54 | BRS | 720 | PCR and error and prone and gene and shuffling |
| 55 | BRS | 699 | (PCR and error and prone and gene and shuffling) and mutant |
| 56 | BRS | 306 | ((PCR and error and prone and gene and shuffling) and mutant) and (glucose near2 oxidase) |
| 57 | BRS | 306 | ((PCR and error and prone and gene and shuffling) and mutant) and (glucose near1 oxidase) |
| 58 | BRS | 10016 | error near3 prone |
| 59 | BRS | 906 | gene near3 shuffling |
| 60 | BRS | 523 | (error near3 prone) and (gene near3 shuffling) |

| | Type | Hits | Search Text |
|----|------|-------|---|
| 61 | BRS | 522 | ((error near3 prone) and (gene near3 shuffling)) and pcr |
| 62 | BRS | 511 | ((error near3 prone) and (gene near3 shuffling)) and pcr) and mutant |
| 63 | BRS | 9288 | glucose near1 oxidase |
| 64 | BRS | 282 | ((error near3 prone) and (gene near3 shuffling)) and pcr) and mutant) and (glucose near1 oxidase) |
| 65 | BRS | 34 | "5,279,952" and (gene near3 shuffling) |
| 66 | BRS | 20 | "134" and (error near3 prone) |
| 67 | BRS | 510 | ((error near3 prone) and (gene near3 shuffling)) and pcr) and mutant) and mutagenesis |
| 68 | BRS | 488 | ((error near3 prone) and (gene near3 shuffling)) and pcr) and mutant) and mutagenesis) and generation |
| 69 | BRS | 6068 | oxidative near2 stability |
| 70 | BRS | 28 | (oxidative near2 stability) near5 substitution and methionine |
| 71 | BRS | 35 | (oxidative near2 stability) near5 methionine |
| 72 | BRS | 8 | (oxidative near2 stability) near5 amino |
| 73 | BRS | 103 | (oxidative near2 stability) and (glucose near1 oxidase) |
| 74 | BRS | 76 | ((oxidative near2 stability) and (glucose near1 oxidase)) and mutant |
| 75 | BRS | 6 | "5824532" |
| 76 | BRS | 3 | myo near1 inositol near2 oxygenase |
| 77 | BRS | 10292 | glucose near1 oxidase |
| 78 | BRS | 3818 | (glucose near1 oxidase) and peroxide |
| 79 | BRS | 983 | ((glucose near1 oxidase) and peroxide) and resistant |
| 80 | BRS | 1321 | peroxide near5 (resistant or resistance) |
| 81 | BRS | 31 | (peroxide near5 (resistant or resistance)) and (glucose near1 oxidase) |
| 82 | BRS | 866 | (glucose near1 oxidase) near5 peroxide |
| 83 | BRS | 330 | (glucose near1 oxidase) near2 peroxide |

| | Type | Hits | Search Text |
|-----|------|-------|---|
| 84 | BRS | 101 | ((glucose near1 oxidase) near2 peroxide) and (resistance or resistant) |
| 85 | BRS | 19 | colony near2 peroxide |
| 86 | BRS | 0 | peroxide near10 library near10 screen |
| 87 | BRS | 2829 | peroxide and screen and library |
| 88 | BRS | 2670 | peroxide near10 (resistant or resistance) |
| 89 | BRS | 50 | (peroxide near10 (resistant or resistance)) and cdna and mutant |
| 90 | BRS | 32 | (peroxide near10 (resistant or resistance)) and colony and screen |
| 91 | BRS | 28 | "5,914,245" |
| 92 | BRS | 30260 | cdna near10 library |
| 93 | BRS | 29739 | cdna near5 library |
| 94 | BRS | 5310 | (cdna near5 library) and oxidation |
| 95 | BRS | 812 | ((cdna near5 library) and oxidation) and (glucose near1 oxidase) |
| 96 | BRS | 10309 | glucose near1 oxidase |
| 97 | BRS | 0 | (peroxide near10 library near10 screen) near5 oxidation |
| 98 | BRS | 0 | (peroxide near10 library near10 screen) near5 peroxide |
| 99 | BRS | 14087 | peroxide near10 oxidation |
| 100 | BRS | 582 | (peroxide near10 oxidation) and (mutant or mutagenesis) |
| 101 | BRS | 74 | (peroxide near10 (resistant or resistance)) and mutant |
| 102 | BRS | 60 | ((peroxide near10 (resistant or resistance)) and mutant) and (cdna or pcr or shuffling) |
| 103 | BRS | 11796 | glucose near2 oxidase |
| 104 | BRS | 2879 | peroxide near10 (resistance or resistant) |
| 105 | BRS | 67 | S199 and S200 |
| 106 | BRS | 4422 | S199 and peroxide |
| 107 | BRS | 2223 | S202 and stability |
| 108 | BRS | 937 | S203 and (degrade or degradation) |
| 109 | BRS | 14 | S199 near10 (stability or degrade or degradation) near10 (peroxide) |
| 110 | BRS | 1519 | S199 near10 peroxide |
| 111 | BRS | 3 | S206 near10 (degrade) |
| 112 | BRS | 10 | S206 near10 (sensitive) |

| | Type | Hits | Search Text |
|-----|------|---------|--|
| 113 | BRS | 290 | S206 and (degradation) |
| 114 | BRS | 1 | S206 near10 (degradation) |
| 115 | BRS | 10 | S206 near10 (stability) |
| 116 | BRS | 19 | S199 near10 (mutant) |
| 117 | BRS | 12 | S212 and (peroxide or h2o2) |
| 118 | BRS | 13813 | glucose near1 oxidase |
| 119 | BRS | 5 | S214 near10 library |
| 120 | BRS | 4653 | library near10 genes near10 vector |
| 121 | BRS | 3034 | library near5 genes near5 vector |
| 122 | BRS | 176 | S216 near10 (mutant or mutated) |
| 123 | BRS | 25 | S218 and oxidase |
| 124 | BRS | 4 | S218 and (glucose near1 oxidase) |
| 125 | BRS | 160 | S218 and (fluorescence or shuffling or pcr or error) |
| 126 | IS&R | 2 | ("5798208").PN. |
| 127 | BRS | 4653 | library near10 genes near10 vector |
| 128 | BRS | 176 | S223 near10 (mutant or mutated) |
| 129 | BRS | 136 | S224 and colonies |
| 130 | BRS | 13813 | glucose near1 oxidase |
| 131 | BRS | 1713 | S226 near10 peroxide |
| 132 | BRS | 17 | S227 near10 (resistant or resistance) |
| 133 | BRS | 2810 | (screen or screening) near2 (colony or colonies) |
| 134 | BRS | 94 | S229 near10 (mutant or modification or mutation) |
| 135 | BRS | 2371 | S229 and library |
| 136 | BRS | 1956 | S231 and property |
| 137 | BRS | 1722 | S232 and (pcr or shuffling) |
| 138 | BRS | 1657 | S233 and (incubating or incubate or incubated) |
| 139 | BRS | 1657 | S234 and (protein or gene or polypeptide or polynucleotide or dna) |
| 140 | BRS | 1656 | S235 and (mutant or modified or modification or mutation or mutated) |
| 141 | BRS | 3029676 | l14and (mutant or modified or modification or mutation or mutated) |
| 142 | BRS | 514 | S236 and (mutant or modified or modification or mutation or mutated) |
| 143 | BRS | 514 | S235 and S226 |
| 144 | BRS | 59 | S229 near10 (property) |
| 145 | BRS | 17 | S229 near10 (incubate or incubation) |

| | Type | Hits | Search Text |
|-----|------|-------|---|
| 146 | BRS | 29 | S229 near10 (incubate or incubation or incubated) |
| 147 | BRS | 1182 | S226 and (glucose near1 sensor) |
| 148 | BRS | 675 | S243 and peroxide |
| 149 | BRS | 125 | S244 and degrade |
| 150 | BRS | 876 | arnold and frances |
| 151 | BRS | 78 | arnold near1 frances |
| 152 | BRS | 0 | PCT/US00/32345 |
| 153 | BRS | 151 | "32345" |
| 154 | BRS | 1 | DIRECTED near1 EVOLUTION near2 OXIDASE near1 ENZYMES |
| 155 | BRS | 0 | S251 and desired |
| 156 | BRS | 93 | (colony or colonies) near10 (screened or screening) near10 (property or properties) |
| 157 | BRS | 13813 | glucose near1 oxidase |
| 158 | BRS | 539 | S253 near10 (glucose near2 sensor) |
| 159 | BRS | 55 | S254 near10 peroxide |
| 160 | BRS | 39 | S255 and immobilized |
| 161 | BRS | 280 | 98/27230 |
| 162 | BRS | 26 | "9827230" |
| 163 | BRS | 3583 | stemmer |
| 164 | BRS | 1975 | S259 and recombination |
| 165 | BRS | 1758 | S260 and shuffling |
| 166 | BRS | 1706 | S261 and mutagenesis |
| 167 | BRS | 128 | S262 and (willem near2 stemmer) |
| 168 | BRS | 127 | S263 and library |
| 169 | BRS | 117 | S264 and (colony or colonies) |
| 170 | BRS | 78 | frances near1 arnold |
| 171 | BRS | 3 | S266 and (galactose) |
| 172 | BRS | 2182 | directed near1 evolution |
| 173 | BRS | 30 | S268 and (galactose near1 oxidase) |
| 174 | BRS | 0 | persounia |
| 175 | BRS | 0 | sun near1 lianhong |
| 176 | BRS | 1 | sun near1 arnold |
| 177 | BRS | 2 | sun near5 arnold |
| 178 | BRS | 1540 | galactose near1 oxidase |
| 179 | BRS | 8 | petrounia |
| 180 | BRS | 13813 | (glucose near1 oxidase) |
| 181 | BRS | 16 | S276 near3 (mutant or variant) |
| 182 | BRS | 34 | S276 near10 (mutant or variant) |

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| 183 | BRS | 308 | S276 near10 (mutant or variant or mutation or modified or modification) |
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| | Type | Hits | Search Text |
|-----|------|-------|--------------------------------------|
| 184 | BRS | 13813 | (glucose near1 oxidase) [|
| 185 | BRS | 402 | (glucose near1 oxidase) [TI] |
| 186 | BRS | 3 | S281 and (evolved or evolution) |
| 187 | BRS | 16 | S281 and (mutant or variant) |
| 188 | BRS | 7 | S281 and fluorescent |
| 189 | BRS | 0 | S281 and fluorescense |
| 190 | BRS | 5 | S281 and fluorescence |
| 191 | BRS | 2 | "20030077702" |
| 192 | BRS | 0 | S287 and desired |
| 193 | BRS | 2 | S287 and desirable |
| 194 | IS&R | 2 | ("6117679").PN. |
| 195 | BRS | 1 | S290 and colony |
| 196 | BRS | 1467 | (glucose near1 oxidase) [CLM] |
| 197 | BRS | 276 | S292 and (fluorescence) |
| 198 | BRS | 216 | S293 and activity |
| 199 | BRS | 119 | S294 and (purification or isolation) |
| 200 | BRS | 20 | (glucose near1 oxidase) [TTL] |
| 201 | BRS | 2 | S296 and (fluorescence) |